

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S3	3	181/108.ccls. and chang	USPAT	OR	OFF	2006/03/16 11:16
S4	3	((("4651044") or ("5228011") or ("4505362") or ("U520030205428-A1"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/07 10:43
S5	2	((("4,651,044") or ("5,228,011") or ("4,505.362") or ("U520030205428-A1"))).PN.	USPAT; USOCR	OR	OFF	2006/03/07 13:03
S6	10	("3103116"   "3209580"   "3360304"   "3840095"   "4022053"   "4333621"   "4359890").PN. OR ("4505362").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/07 14:15
S7	11	("3103116"   "3209580"   "3360304"   "3840095"   "4022053"   "4333621"   "4359890").PN. OR ("4505362").URPN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2006/03/07 14:15
S8	11	("3103116"   "3209580"   "3360304"   "3840095"   "4022053"   "4333621"   "4359890").PN. OR ("4505362").URPN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/03/07 14:15
S9	192	181/121.ccls.	USPAT	OR	OFF	2006/03/08 09:38
S10	245	181/113,124,101.ccls.	USPAT	OR	OFF	2006/03/10 14:13
S11	312	324/323.ccls.	USPAT	OR	OFF	2006/03/10 13:46
S13	127	367/14.ccls.	USPAT	OR	OFF	2006/03/10 13:46
S14	3194	schlumberger.as.	USPAT	OR	OFF	2006/03/13 11:42
S15	4	schlumberger.as. and accoustic	USPAT	OR	OFF	2006/03/13 11:42
S16	1408	schlumberger.as. and source	USPAT	OR	OFF	2006/03/13 11:43
S17	219	schlumberger.as. and source and seismic	USPAT	OR	OFF	2006/03/16 09:56
S18	844	"reaction mass" rod	USPAT	AND	ON	2006/03/13 16:15
S19	228	"reaction mass" rod and motor	USPAT	AND	ON	2006/03/13 16:16
S20	9039	hydraulic and replace and motor	USPAT	OR	OFF	2006/03/14 09:22
S24	1	motor instead "hydraulic actuator"	USPAT	AND	OFF	2006/03/14 09:23
S25	2471	"seismic source"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/14 09:27
S26	341	"seismic source" and motor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/14 09:28

## EAST Search History

S27	1	"2251686".pn.	EPO	OR	OFF	2006/03/14 09:51
S28	7	ounadjela.in.	USPAT	OR	OFF	2006/03/16 09:47
S29	95	181/108.ccls.	USPAT	OR	OFF	2006/03/16 09:56
S30	534	181/111,122,112,106.ccls.	USPAT	OR	OFF	2006/03/16 11:17
S31	826	166/249,118,119,134.ccls.	USPAT	OR	OFF	2006/03/16 11:17
S32	22	181/121.ccls. and anchor\$3 and spring	USPAT	OR	OFF	2006/03/16 13:53
S33	72649	anchor\$3 and spring	USPAT	OR	OFF	2006/03/16 13:53
S34	1551640	anchor\$3 near\$5 spring	USPAT	OR	OFF	2006/03/16 13:53
S35	3754	anchor\$3 near spring	USPAT	OR	OFF	2006/03/16 13:53
S36	1086	anchor\$3 adj spring	USPAT	OR	OFF	2006/03/16 13:54
S37	25	anchor\$3 adj spring and deploy	USPAT	OR	OFF	2006/03/16 13:56
S38	3	spring near deploy\$ with anchor	USPAT	OR	OFF	2006/03/16 13:56
S39	16101	"compression spring" and (deploy extend) and (clamp anchor grip feet pads)	USPAT	OR	OFF	2006/03/16 17:07
S40	9051	"compression spring" and (deploy extend) and (clamp anchor)	USPAT	OR	OFF	2006/03/16 17:07
S41	5703	"compression spring" and (deploy extend) and (clamp anchor)and wall	USPAT	OR	OFF	2006/03/16 17:08
S42	130	"compression spring" with (deploy extend) and (clamp anchor)and wall	USPAT	OR	OFF	2006/03/16 17:11
S43	358	"toggle bolt"	USPAT	OR	OFF	2006/03/16 17:11
S44	276	"spring retracted" and( amrs feet pads clamp\$3 grip\$)	USPAT	OR	OFF	2006/03/17 08:56
S45	332	"spring retracted" and( arms feet pads clamp\$3 grip\$)	USPAT	OR	OFF	2006/03/17 08:56
S46	189	"spring retracted" and( arms feet pads clamp\$3 grip\$) and wall	USPAT	OR	OFF	2006/03/17 09:15
S47	0	"compression spring retracted" and "hydraulicly extended"	USPAT	OR	OFF	2006/03/17 09:16
S48	0	"compression spring retracted" and "hydraulic\$ extended"	USPAT	OR	OFF	2006/03/17 09:16
S49	0	"compression spring" with retracted and "hydraulic\$ extended"	USPAT	OR	OFF	2006/03/17 09:16
S50	6769	"compression spring" same retract\$	USPAT	OR	OFF	2006/03/17 09:17
S51	1548	"compression spring" same retract\$ and hydraulic	USPAT	OR	OFF	2006/03/17 09:17
S52	153	"compression spring" same retract\$ and hydraulic with extend	USPAT	OR	OFF	2006/03/17 14:03

## EAST Search History

S53	0	"extension spring" with retract and hydraulic	USPAT	OR	OFF	2006/03/17 14:04
S54	42	"extension spring" with retract	USPAT	OR	OFF	2006/03/17 14:04
S55	7	("4130816"   "4184546"   "4616703"   "4819760"   "5528556"   "5829531").PN. OR ("6315075"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/17 14:25
S56	7	("4130816"   "4184546"   "4616703"   "4819760"   "5528556"   "5829531").PN. OR ("6315075"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/17 15:09
S57	18	borehole and pushrod	USPAT	OR	OFF	2006/03/20 15:01